

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/003177

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B20/00 G06F17/30 G06F7/00 G06F12/00 G06F3/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 930 615 A (FUJITSU LTD) 21 July 1999 (1999-07-21) the whole document column 4, line 47 - column 5, line 33 column 5, line 45 - column 7, line 29 column 8, line 18 - line 50 figures 1,3,4	1-15
Y	US 2002/174102 A1 (KYLER DANIEL B) 21 November 2002 (2002-11-21) column 1, line 38 - line 60 column 3, line 27 - line 48 figures 1,3	1-15
Y	US 6 523 102 B1 (ALVAREZ II MANUEL J ET AL) 18 February 2003 (2003-02-18) column 41, line 5 - line 25	4
	-/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

2 August 2004

Date of mailing of the international search report

09/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Barel-Faucheux, C

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/003177

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 081 697 A (SONY CORP) 7 March 2001 (2001-03-07) column 3, line 53 - column 8, line 1 figures 1-5	8
A	EP 0 930 616 A (FUJITSU LTD) 21 July 1999 (1999-07-21) the whole document	1-15
A	EP 1 211 681 A (FUJITSU LTD) 5 June 2002 (2002-06-05) the whole document	1-15
A	VOELCKER J ET AL: "HOW DISKS ARE 'PADLOCKED'" IEEE SPECTRUM, IEEE INC. NEW YORK, US, vol. 23, no. 6, 1 June 1986 (1986-06-01), pages 32-40, XP002054317 ISSN: 0018-9235 the whole document	1-15

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/003177

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0930615	A	21-07-1999	JP 3454700 B2 JP 11213548 A EP 0930615 A2 US 2002004884 A1	06-10-2003 06-08-1999 21-07-1999 10-01-2002
US 2002174102	A1	21-11-2002	CA 2445576 A1 EP 1393170 A1 WO 02088943 A1	07-11-2002 03-03-2004 07-11-2002
US 6523102	B1	18-02-2003	AU 5164601 A WO 0180016 A2	30-10-2001 25-10-2001
EP 1081697	A	07-03-2001	JP 2001067792 A CN 1286468 A EP 1081697 A1	16-03-2001 07-03-2001 07-03-2001
EP 0930616	A	21-07-1999	JP 11213551 A JP 3529260 B2 JP 11238306 A CN 1227948 A EP 1211681 A1 EP 0930616 A2 US 2002116551 A1 US 6453369 B1	06-08-1999 24-05-2004 31-08-1999 08-09-1999 05-06-2002 21-07-1999 22-08-2002 17-09-2002
EP 1211681	A	05-06-2002	JP 11213551 A JP 3529260 B2 JP 11238306 A EP 1211681 A1 CN 1227948 A EP 0930616 A2 US 2002116551 A1 US 6453369 B1	06-08-1999 24-05-2004 31-08-1999 05-06-2002 08-09-1999 21-07-1999 22-08-2002 17-09-2002